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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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C	omplete if Known	
Application Number	10/608,092	
Filing Date	30-Jun-2003	
First Named Inventor	Gray, Joe W., et al.	
Art Unit	1631	•
Examiner Name	Marjorie A. Moran	

Sheet 1		of	1	Attorr	ney Docket Number	7045945002	2
Examiner Initials*	Cite No.		Document Number	Publication Date MM-DD-YYYY	Name of Pater Applicant of Cited		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	B1	US-4,647,529		03-03-1987	RODLAND et al.		
	B2	US-4,681,840		07-21-1987	STEPHENSON et	al.	
	В3	US-4,683,195		07-28-1987	MULLIS et al.		
	B4	US-4,707,440		11-17-1987	STAVRIANOPOUI	_OS	
•	B5	US-4,711,955		12-08-1987	WARD et al.		
	В6	US-4,721,669		01-26-1988	BARTON		
	B7	US-4,725,536		02-16-1988	FRITSCH et al.		
	B8	US-4,772,691		09-20-1988	HERMAN		
	В9	US-5,447,841		09-05-1995	GRAY, et al.		
	B10	US-6,025,126		02-15-2000	WESTBROOK		
	B11	US-6,414,133 B1		07-02-2002	DIETZ-BAND et al		
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			OREIGN PATENT D	OCUMENTS		
Examiner Initials*	Cite No1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ² –Number ⁴ –Kind Code ⁵ (if known)	MM-DD-YYYY	, , , , , , , , , , , , , , , , , , ,	Or Relevant Figures Appear	Т6
	B12	PCT - WO 90/05789	05-31-1990	YALE UNIVERSITY		
	B13	EP-A-0430 402	06-05-1991	GRAY et al.		
	B14	CA - 1,301,605	05-26-1992	GRAY et al.		
	B15	PCT - WO 94/09022	04-28-1994	WANG et al.		
	B16	JP-A-2005-304508	11-04-2005	GRAY et al.		
Examiner * Signature				Date Considered		<u></u>

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	Substitute for form 144	9/PTO	Complete if Known			
			Application Number	10/608,092		
	INFORMATION	N DISCLOSURE	Filing Date	30-Jun-2003		
		BY APPLICANT	First Named Inventor	Gray, Joe W., et al.		
			Art Unit	1631		
	(Use as many sne	eets as necessary)	Examiner Name	Marjorie A. Moran		
Sheet	1 of	17	Attorney Docket Number	7045945002		

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	B17	ABE et al., Chromosomal In Situ Hybridization and Southern Blot Analyses Using c-abl, c-sis, or bcr Probe in Chronic Myelogenous Leukemia Cells with Variant Philadelphia Translocations, Vol. 38, pgs. 61-74 (1989), Cancer Genet Cytogenet	
	B18	ALWINE et al., Methods in Enzymology, Vol. 68, pgs. 220-242 (Academic Press, New York, 1979)	
	B19	ANGERER et al., "In Situ Hybridization to Cellular RNAs," in Genetic Engineering: Principles and Methods, Setlowand Hollaender, Eds., Vol. 7, pgs. 43-65 (Plenum Press, New York, 1985)	
	B20	ARNOIDUS et al., Detection of the Philadelphia Chromosome in Interphase Nuclei, Vol. 54, pgs. 108- 111 (1990), Cytogenet Cell Genet Karger, Basil, Switzerland	
	B21	BARDONI et al., Cvtogenet. Cell Genet., Vol. 46, pg. 575 (1987)	
	B22	BARTRAM et al., Persistence of Chronic Myelocytic Leukemia Despite Deletion of Rearranged bcr/c-abl Sequences in Blast Crisis, Vol. 164, pgs. 1389-1396, (November 1986)	
	B23	BARTRAM et al., Translocation of c-abl Oncogene Correlates with the Presence of a Philadelphia Chromosome in Chronic Myelocytic Leukaemia, Vol. 306, pgs. 277-280 (Nov. 1993), Nature Publishing Group, London, England	
	B24	BAYER et al., "The Use of the Avidin Biotin Complex as a Tool in Molecular Biology," Methods of Biochemical Analysis, Vol. 26, pgs. 1-45 (1980)	
	B25	BENN et al., Utility of Molecular Genetic Analysis of bcr Rearrangement in the Diagnosis of Chronic Myeloid Leukemia, Vol. 29, pgs. 1-7 (1987), Cancer Genet Cytogenet	
	B26	BEN-NERIAH et al., The Chronic Myelogenous Leukemia-Specific P210 Protein Is the Product of the bcr/abl Hybrid Gene, Science, Vol. 233, pgs. 212-214 (July 1986)	
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Complete if Known Substitute for form 1449/PTO Application Number 10/608,092 INFORMATION DISCLOSURE Filing Date 30-Jun-2003 First Named Inventor Gray, Joe W., et al. STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** Marjorie A. Moran 2 of 17 7045945002 Attorney Docket Number Sheet

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	B27	BENTON and DAVIS, Science, Vol. 196, pgs. 180-182 (1977)	
	B28	BERG, Ed. Genetic Damage in Man Caused by Environmental Agents, Academic Press, New York, (1979)	
	B29	Biochemical Indicators of Radiation Injury in Man, (1971), International Atomic Energy Agency, Vienna	
	B30	BRIGATI et al., "Detection of Viral Genomes in Cultured Cells and Paraffin-Embedded Tissue Sections Using BiotinLabeled Hybridization Probes,' Virology, Vol. 126, pgs. 32-50 (1983)	
	B31	BRISON et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes," Molecular and Cellular Biology, Vol. 2, pgs. 578-587 (1982)	
	B32	BRITTEN et al., "Analysis of Repeating DNA Sequences by Reassociation Inn Methods in Enzymology, Vol. 29, pgs. 363-418 (1974)	
	B33	BROCK et al., Chromosoma, Vol. 83, NO. 2, pgs. 159-168, Berlin, Germany (1981)	
	B34	BROKER et al., "Electron Microscopic Visualization of tRNA Genes with Ferritin-Avidin: Biotin Labels," Nucleic Acids Research, Vol. 5, pgs. 363-384 (1978)	
	B35	CANAANI et al., Altered Transcription Of An Oncogene In Chronic Myeloid Leukaemia, Vol. 1, pgs. 593-596, (March 1984), The Lancet	
	B36	CANNIZZARO et al., Cytogenetics and Cell Genetics, Vol. 39, pgs. 173-178, (1985)	

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	INFORMATION DIS	SCLOSURE	Filing Date	30-Jun-2003		
	STATEMENT BY A		First Named Inventor	Gray, Joe W., et al.		
			Art Unit	1631		
	(Use as many sheets a	is necessary)	Examiner Name	Marjorie A. Moran		
Sheet	3 of 1	7	Attorney Docket Number	7045945002		

NON PATENT LITERATURE DOCUMENTS

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	B37	CANTOR and SCHIMMEL, Biophysical Chemistry: Part III: The Behavior of Biological Macromoleucules, at 1228-1230 (Freeman and Co. 1980)						
	B38	CARRANO et al., "Measurement and Purification of Human Chromosomes by Flow Cytometry and Sorting," Proc. Natl. Acad. Sci, Vol. 76, pgs. 1382-1384 (1979)						
	B39	CHOLLET and KAWASHIMA, Nucleic Acids Resources, Vol. 5, pgs. 1529-1541 (1985)						
	B40	CLARK et al., Expression of a Distinctive bcr-abl Oncogene in Ph-Positive Acute Lymphocytic Leukemia (ALL), Science, Vol. 239, pgs. 775-777, (Feb.1988), American Assoc. for the Advancement of Science, Washington, D.C.						
	COLLINS et al., Rearrangement and Amplification Of c-abl Sequences in the Human Chronic Myelogenous Keukemia Cell Line K-562, Vol. 80, pgs. 4813-4817, (1983), Proc. Natl. Aca. Sci. USA							
	B42	CONNOLLY et al., Nucleic Acids Research, Vol. 13, pp. 4485-4502 (1985)						
	B43	COVONE et al., Lancet, Oct. 13, 1984: pg. 841						
-	B44	COX et al., "Detection of mRNAs in Sea Urchin Embryos by In Situ Hybridization Using Asymmetric RNA Probes," Developmental Biology, Vol. 101, pgs. 485-502 (1984)						
CREMER et al., Hum. Genet, Vol. 74, pg. 346 (1986)								

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	INFORMA	TION	DISCLOSURE	Filing Date	30-Jun-2003	
:			APPLICANT	First Named Inventor	Gray, Joe W., et al.	
			ts as necessary)	Art Unit	1631	
	(USE as mai	ny snee	is as necessary)	Examiner Name	Marjorie A. Moran	
Sheet	4	of	17	Attorney Docket Number	7045945002	

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	B46	CREMER et al., Hum. Genet., Vol. 74, pg. 317, (1984)	
	B47	CREMER et al., Hum. Genet., Vol. 80, pg. 235 (1988)	
	B48	D'EUSTACHIO et al., Somatic Cell Genetics in Gene Families, Science, Vol. 220, pgs. 9, 19-24, (1983)	
	B49	DAVIES et al., "Cloning of aRepresentative Genomic Library of the Human XChromosome After Sorting by Flow Cytometry," Nature, Vol. 293, pgs. 374-376 (1981)	
	B50	De KLEIN et al., A Cellular Oncogene is Translocated to the Philadelphia Chromosome in Chronic Myelocytic Leukaemia, Vol. 300, pgs. 765-767, (Dec. 1982) Nature Publishing Group, London, England	
	B51	DENHARDT'S solution (Biochem. Biophys. Res. Commun., Vol. 23, pgs. 641-645 (1966)	
	B52	DUBE et al., GENES, CHROMOSOMES & CANCER, Location of Breakpoints Within the Major Breakpoint Cluster Region (bcr) in 33 Patients With bcr Rearrangement-Positive Chronic Myeloid Leukemia (CML) With Complex or Absent Philadelphia Chromosome, Vol. 1, pgs. 106-111, (1989)	
	B53	DURNAM et al., Somatic Cell Molec. Genet., Vol. 11, pg. 571, (1985)	
	B54	EMANUEL, Am. J. Hum. Genet., 43: 575 (1988)	

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	B55	EMANUEL, American Journal of Human Genetics, Vol. 43, pg. 575 (1988)	
	B56	EPSTEIN, The Consequences of Chromosome Imbalance: Principles, Mechanisms and Models Cambridge Univ. Press , (1986)	
	B57	FAINSTEIN et al., A New Fused Transcript in Philadelphia Chromosome Positive Acute Lymphocytic Leukaemia, Vol. 330, pgs. 386-388, (Nov. 1987), Nature Publishing Group, London, England	
	B58	FISHER et al., J. Cell. Biol., Vol. 109 (2), pgs. 891-902 (1989)	
	B59	FISHLEDER et al., Leukemia, bcr Rearrangement: Potential False Positive Secondary to an Eco RI Restriction Fragment Length Polymorphism, Stohlman Foundation and Leukemia Society of America - International Symposium on the Biology of Hematopoiesis, Vol. 3, No. 10, pgs. 746-748, (October 1989)	
	B60	FUSCOE et al., Genomics, .Vol. 5, pgs. 100-109 (1989)	
	B61	FUSCOE et al., in "Construction of Fifteen Human Chromosome-Specific DNA Libraries from Flow-Purified Chromosomes," Cytogenet. Cell Genet., Vol. 43, pgs. 79-86 (1986)	
	B62	G. D. JOHNSON and J. G. NOGUERIA, Immunol!. Methods, Vol. 43, pg. 349 (1981)	
	B63	GALE et al., An 8-kilobase abl RNA Transcript in Chronic Myelogenous Leukemia, Vol. 81, pgs. 5648-5652 (1984), Proc. Natl. Aca. Sci. USA	

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	B64	GALL and PARDUE, "Nucleic Acid Hybridization in Cytological Preparations," Methods in Enzymology, Vol. 21, pgs. 470-480 (1981)
	B65	GERMAN, "Studying Human Chromosomes Today," American Scientist, Vol. 58, pgs. 182-201 (1970)
	B66	GERMAN, Clinical Implication of Chromosome Breakage, Genetic Damage in Man Caused by Environmental Agents, Beg, Ed., pgs. 65-86, (1979), Academic Press, New York,
	B67	GERMAN, Studying Human Chromosomes Today, American Scientist, Vol. 58., pgs. 182-201, (1970)
	B68	GIBIS and Jackson, Karyogram, Vol. 11. pg. 91 (1985)
	B69	GRAY et al, UCRL-93567 ABSTRACT
	B70	GREEN et al., described in Cell, Vol. 32, pgs. 681-694 (1983)
	B71	GROFFEN et al., Philadelphia Chromosomal Breakpoints are Clustered Within A Limited Region, bcr, on Chromosome 22, Vol. 36, pgs. 93-999, (Jan. 1984), Cell Press, Cambridge, MA, USA
	B72	GROSVELD et al., The Chromic Myelocytic Cell Line K562 Contains a Breakpoint in bcr and Produces a Chimeric bcr/c-abl Transcript, Molecular and Cellular Biology., Vol. 6, No. 2, pgs. 607-616, (Feb. 1986), American Society for Microbiology, Washington, DC, USA
	B73	GUO et al., Nucl. Acids Res., Vol. 10 pg. 2065

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	B74	GUSELLA et al., "Isolation and Localization of DNA Segments Proc. Natl. Acad. Sci., Vol. 77, pgs. 2829-2833 (1980)	from Specific Hum	an Chromosomes,·		
	B75	HARPER et al., Chromosoma, Vol. 83, pgs. 431-439, (1981), I	Berlin, Germany			
	B76	HARPER et al., Localization of the Human Insulin Gene to the Chromosome 11, Vol. 78, pgs. 4458-4460, (1981), Proc. Natl.		hort Arm of		
	B77	HEGEWISCH-BECKER et al., RNA Isollation for PCR of BCR- with Minimal Cell Numbers, 13E, pg. 289 (1989)	-ABL Rearrangeme	nts from CML Samples		
	B78	HEISTERKAMP et al., Localization of the c-abl Oncogene Adjacent to a Translocation Break Point in Chromic Myelocytic Leukaemia, Vol. 306, pgs. 239-242 (Nov. 1983), Nature Publishing Group, London, England				
	B79	HEISTERKAMP et al., Structural Organization of the <i>bcr</i> Gene and its Role in the PH' Translocation, Vol. 315, pgs. 758-761, (June 1985), Nature Publishing Group, London, England				
	B80	HEISTERKAMP et al., The First <i>bcr</i> Gene Intron Contains Bre- Positive Leukemia, Nucleic Acids Research, Vol. 16, No. 21, p Limited, Oxford, England	akpoints in Philadel gs. 10070-10081, (phia Chromosome 1988), IRL Press		
	B81	HEISTERKAMP et al., The Human v-abl Cellular Homologue, 1 pgs. 57-68, (1983), Raven Press, New York	Jour. of Mol. and Ap	opl. Gene., Vol. 2, No.		
	B82	HENDERSON, Cytological Hybridization to Mammalian Chromosomes, Vol. 76, pgs. 1-46 (1982), International Review of Cytology				
	ome Positive Acute MA, USA					
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		-	·	Art Unit	1631	
	(Ose as many	snee	ts as necessary)	Examiner Name	Marjorie A. Moran	
Sheet	8	of	17	Attorney Docket Number	7045945002	

NON PATENT LITERATURE DOCUMENTS

Examiner Cite Initials* No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
B84	HERZENBERG et al., PNAS, Vol. 76, pg. 1453 (1979)					
B85	HIROSAWA et al., Undetectable <i>bcr-abl</i> Rearrangements in Some CML Patients Are Due to a Deletion Mutation in the bcr Gene, Vol. 28, pgs. 33-36, (1988), American Journal of Hematology					
B86	HOHN in Methods in Enzymology, Vol. 68, pp. 299-309 (1979) Molecular Cloning: A Laboratory Manual, (Cold Spring Harbor Laboratory, New York, (1982)					
B87	OOBERMANN et al., Detection of the Philadelphia Chromosome in Acute Lymphoblastic Leukemia by Julsed-Field Gel Electrophoresis, Blood Vol. 74, No. 3, pgs. 1101-1107, (August 1989)					
B88	HOPMAN et al., Exp. Cell Res., Vol. 169, pg. 357 (1987)					
B89	Hum. Genet., 1988, Vol. 80, 'pgs. 224-34					
B90	Hum. Genet., 1988, Vol. 80, pgs. 235-46					
B91	JABS et al., Proceedings Of The National Academy Sciences, Vol. 81, pgs. 4884-4888, (1984), USA					
Examiner	Date					

Examiner Signature	Date Considered	

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	Substitute for form	n 1449/	РТО	Complete if Known			
Ì				Application Number	10/608,092		
	INFORMATION DISCLOSURI STATEMENT BY APPLICAN (Use as many sheets as necessary) 9 of 17	DISCLOSURE	Filing Date	30-Jun-2003			
				First Named Inventor	Gray, Joe W., et al.		
				Art Unit	1631		
	(Use as many	Silee	as necessary)	Examiner Name	Marjorie A. Moran		
Sheet	heet 9 of 17		Attorney Docket Number	7045945002			

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	B92	JACOBS, Am. J. Epidemiology, Vol. 105. pg.180, (1977)	
	B93	JOHNSON et al., A Simple Method of Reducing the Fading of Immunofluorescence During Microscopy, Vol. 43, pgs. 349-350, (1981), Journal of Immunological Methods	
•	B94	KALLIONIEMI et al., Science, Vol. 258, pgs. 818-821, USA (30 October 1992)	
	B95	KAO et al., Assignment of the structural Gene Coding for Albumin to Chromosome 4, Vol. 62, pgs. 337-341, (1982), Human Genetics	
	B96	KAO, Somatic Cell Genetics and Gene Mapping, Vol. 85, pgs. 109-146, (1983), International Review of Cytology	
	B97	KAWASAKI et al., Diagnosis of Chrionic Myeloid and Acute Lymphocytic Leukemias by Detection of Leukemia-Specific mRNA Sequences Amplified in vitro, Proc. Natl. Acad. Sci., USA, Vol. 85, (Aug 1988) pgs. 5698-5702, National Academy of Sciences, Washington, DC USA	
	B98	KAWATA et al., J. Exp. Med., Vol. 160, pg. 653 (1984)	
	B99	KOHLER et al., Expression of bcr-abl fusion transcripts following bone marrow transplantation for Philadelphia chromosome-positive leukemia, PubMed, Vol. 4(8), pgs. 541-547, (Aug. 1990)	
	B100	KONOPKA et al., An Alteration of the Human c-abl Protein in K562 Leukemia Cells Unmasks Associated Tyrosine Kinase Activity, Cell, Vol. 37, pgs. 1035-1042, (July 1984)	
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Complete if Known Substitute for form 1449/PTO **Application Number** 10/608,092 Filing Date 30-Jun-2003 INFORMATION DISCLOSURE First Named Inventor Gray, Joe W., et al. STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** Marjorie A. Moran 10 of 17 Attorney Docket Number 7045945002 Sheet

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	B101	KONOPKA et al., Cell Lines and Clinical Isolates Dervied from Ph¹-Positive Chronic Myelogenous Leukemia Patients Express c-abl Proteins with a Common Structural Alteration, Vol. 82, pgs. 1810-1814, Proc. Natl. Aca. Sci. USA (1985)					
	B102	KRAYBILL et al., Eds., Environmental Cancer Hemisphere Publishing Corporation, New York, (1977)					
	B103	KRUMLAUF et al., "Construction and Characterization of Genomic Libraries from Specific Human Chromosomes," Proc. Natl. Acad. ScL, Vol. 79, pgs. 2971-2975 (1982)					
	B104	KUHLMANN, Immunoenzyme Techniques in Cytochemistry (Weinheim, Basel, 1984)					
	B105	LANDEGENT et al., Exptil Cell Res., Vol. 153, pgs. 61-72 (1984)					
	B106	LANDEGREN et al., Science, Vol. 242, pg. 229, (1988)					
	B107	LANGER et al., "Enzymatic Synthesis of Biotin Labeled Polynucleotides: Novel Nucleic Acid Affinity Probes," Proc. Natl. Acad. Sci., Vol. 78, pgs. 6633-6637 (1981)					
	B108	LANGER-SAFER et al., PNAS USA, Vol. 79, pg. 4381 (1982)					
	B109	LATT, "Optical Studies of Metaphase Chromosome Organization," Annual Review of Biophysics and Bioengineering, Vol. 5, pgs. 1-37 (1976)					
	B110	LAWN et al., "The Isolation and Characterization of Linked Delta-and-Beta-Globin Genes from a Cloned Library of Human DNA. "Cell, Vol. 15, pgs. 1157-1174 (1978)					
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	B111	LAWRENCE et al.; Sensitive, High-Resolution Chromatin and Chromosome Mapping In Situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line; Vol. 52, pgs. 51-61, (1988)				
	B112	LEE et al., Detection of Two alternative <i>bcr/abi</i> m RNA Junctions and Minimal Residual Disease in Philadelphia Chromosome Positive Chronic Myelogenous Leukemia by Polymerase Chain Reaction, Vol. 73, No. 8, pgs. 2165-2170 (June 1989)				
	B113	LEFFAK, Anal. Biochem., Vol. 141, pgs. 33-37 (1984)				
	B114	LEWIN, B. (editor), Genes (2nd Edition John Wiley & Sons, Inc. 1984 pgs. 294-298 and pgs. 464-465				
, , ,	B115	LICHTER et al., Proc. Natl. Acad. Sci. USA, Vol. 85, pg. 9664 (1988)				
	B116	LLKE and Butterworth, J. Cell Sci, Vol. 76, pg. 189 (1985)				
	B117	LUBS et al., Science, Vol. 169, pg. 495, (1970)				
	B118	MANIATIS et al., "Molecular Cloning: A Laboratory Manual," (Cold Springs Harbor Laboratory, 1982), pgs. 256-339				
	B119	MANNING et al Biochemistry, Vol. 16, pgs. 1364-1370 (1977)				
Examir	ner	Date				
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				Application Number	10/608,092	
	INFORMATION DISCLOSURE		DISCLOSURE	Filing Date	30-Jun-2003	
				First Named Inventor	Gray, Joe W., et al.	
	STATEMENT BY APPLICANT (Use as many sheets as necessary)			Art Unit	1631	
(Use as many sneets as necessary)		Examiner Name	Marjorie A. Moran			
Sheet	12	of	17	Attorney Docket Number	7045945002	

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	B120	MANUELIDIS et al., "Human Genet., Vol. 71, pg. 288, (1985)	
	B121	MANUELIDIA et al., Chromosomal and Nuclear Distribution of the Hind III 1.9-KB Human DNA Repeat Segment, Chromosoma, Vol. 91, pgs. 28-38, (1984)	
	B122	MARMUR, "A Procedure for the Isolation of Deoxyribonucleic Acid from Micro-Organisms," J. Mol. Biol., Vol. 3, pgs. 208-218 (1961)	
	B123	MENDELSOHN et al., Science, Vol. 179, pg. 1126 (1973)	
	B124	MONTGOMERY et al., Proceedings Of The National Academy Sciences, Vol. 80, pgs. 5724-5728, USA, (1983)	
	B125	NAKAMURA et al, Science, 235: 1616 (1987)	
	B126	NORA et al., Medical Genetics: Principles and Practice Lea and Febiger, (1989)	
	B127	NOWELL et al., National Academy of Sciences, Science, Vol. 132, pgs. 1488-1501 (November 1960)	
	B128	OLSEN et al., Isolation of Unique Sequence Human X Chromosomal Deoxyribonucleic Acid, Biochemisty, Vol. 19, pgs. 2419-2428 (1980)	
	B129	OLSEN et al., Isolation of Unique Sequence Human X Chromosomal Deoxyribonucleic Acid, Biochemisty, Vol. 19, pgs. 2419-2428 (1980)	

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	INFORM	IATION	DISCLOSURE	Filing Date	30-Jun-2003 Gray, Joe W., et al. 1631 Marjorie A. Moran	
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Sheet	40		Attorney Docket Number	7045945002		

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	B130	PARKS and HERZENBERG, Methods in Cell Biology, Vol. 10, pgs. 277-295 (Academic Press, N.Y., 1982)	
	B131	PETERS et al., Cytometry, Vol. 6, pg. 290-301 (1985)	
	B132	PINKEL et al, UCRL-93243 ABSTRACT	
	B133	PINKEL et al, UCRL-93269 ABSTRACT	
	B134	PINKEL et al, UCRL-93553 ABSTRACT	
	B135	PINKEL et al. (II), Cold Spring Harbor Symp. Quant. Biol., Vol. 1, pg. 151 (1986)	
	B136	PINKEL et al. (II), supra; Manuelidis, PNAS USA, Vol. 81, pg. 3123 (1984)	
	B137	PINKEL et al., Cytogenetic Analysis Using Quantitative, High-Sensitivity, Fluorescence Hybridization, Vol. 83, pgs. 2934-2938 (May 1986), Proc. Natl. Acad. Sci. USA	
	B138	PINKEL et al., Fluorescence in situ Hybridization with Human Chromosome-Specific Libraries: Detection of Trisomy 21 and Translocations of Chromosome 4, Proc. Natl. Acad. Sci., USA, Vol. 85, pgs. 9138-9142, (Dec. 1988), Natl. Acad. Of Sci., Washington, DC, USA	
	B139	PINKEL et al., Proceedings Of The National Academy Sciences, Vol. 83, pgs. 2934-2938, USA, (May 1986)	

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	INFORMA	TION	DISCLO	SURF	Filing Date	30-Jun-2003	
	STATEME				First Named Inventor	Gray, Joe W., et al.	
					Art Unit	1631	
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	B140	Proc. Natl. Acad. Sci. USA,. 1988·, Vol. 85, pgs. 9664-8	
	B141	RAPPOLD et al., Hum. Genet, Vol. 67, pg 317, (1984)	
	B142	RICHARDSON et al., "Biotin and Fluorescent Labeling of RNA Using T4 RNA Ligase," Nucleic Acids Research, Vol. 11, pgs. 6167-6184 (1983)	
<u>.</u>	B143	RIGBY et al., J. Mol. Biol., Vol. 113, pg. 237 (1977)	
	B144	ROTH et al., Detection of Philadelphia Chromosome - Positive Cells by the Polymerase Chain Reaction Following Bone Marrow Transplant for Chronic Myelogenous Leukemia, Blood Vol. 74, No. 2, pgs. 882-885, (August 1989)	
	B145	ROWLEY, A New Consistent Chromosomal Abnormality in Chronic Myelogenous Leukaemia identified by Quinacrine Fluorescence and Giemsa Staining, Nature Vol. 243, pgs. 290-293, (June 1973), Nature Publishing Group	
	B146	RUDKIN and STOLLAR, Nature, Vol. 265, pgs. 472-473 (1977)	
	B147	SAIKI et al., Science, Vol. 230, pg. 1350 (1985)	
	B148	SCHARDIN et al., Hum. Genet., Vol. 11, pg. 282 (1985)	
	B149	SCHMECKPEPER et al., "Partial Purification and Characterization of DNA from Human X Chromosome," Proc. Natl. Acad. Sci., Vol. 76, pgs. 6525-6528 (1979)	

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SCHWEIZER, "Reverse fluorescent chromosome banding with Chromomycin and DAPI," Chromosoma, Vol. 58, pgs. 307-324 (1976) B152 SEALINGHE et al, Chromosoma, Vol. 82, pgs. 205-216, (1981), Berlin, Germany SEALY et al., "Removal of Repeat Sequences form Hybridization Probes", Nucleic Acid Research, Vol. 13, pg. 1905 (1985) SHTAIRID et al., Analysis of Breakpoints Within the bcr Gene and Their Correlation with the Clinical Course of Philadelphia-Positive Chronic Myelogenous Leukemia, Blood, Vol. 72, No. 2, pgs. 485-490 (Aug 1988), Grune & Stratton, Washington, DC, USA SHTIVELMAN et al., Alternative Splicing of RNAs Transcribed from the Human abl Gene and from the bcr-abl Fused Gene, Cell, Vol. 47, pgs. 277-284, (Oct. 1986), Cell Press, Cambridge, MA, USA SHTIVELMAN et al., bcr-abl RNA in Patients With Chronic Myelogenous Leukemia, Vol. 69, No. 3, pgs. 971-973, (March 1987) SIEBERS et al., Humangenetik, Vol. 28, pg. 273 (1975) SIEBERS et al., Humangenetik, Vol. 28, pg. 273 (1975) SMITH et al., Nucleic Acids Research, Vol. 13, pgs. 2399-2412 (1985) Somatic Cell Molec. Genet., Vol. 11, pg. 571 (1985)			I (book, magazine, journal, serial, symposium, catalog, etc.), date,	ticle (when appropri page(s), volume-issi	ate), title of the item ue number(s), publisher,	T
B151 Vol. 58, pgs. 307-324 (1976) B152 SEALINGHE et al, Chromosoma, Vol. 82, pgs. 205-216, (1981), Berlin, Germany SEALY et al., "Removal of Repeat Sequences form Hybridization Probes", Nucleic Acid Research, Vol. 13, pg. 1905 (1985) B153 SHTAIRID et al., Analysis of Breakpoints Within the bcr Gene and Their Correlation with the Clinical Course of Philadelphia-Positive Chronic Myelogenous Leukemia, Blood, Vol. 72, No. 2, pgs. 485-490 (Aug 1988), Grune & Stratton, Washington, DC, USA SHTIVELMAN et al., Alternative Splicing of RNAs Transcribed from the Human abl Gene and from the bcr-abl Fused Gene, Cell, Vol. 47, pgs. 277-284, (Oct. 1986), Cell Press, Cambridge, MA, USA B156 SHTIVELMAN et al., bcr-abl RNA in Patients With Chronic Myelogenous Leukemia, Vol. 69, No. 3, pgs. 971-973, (March 1987) SIEBERS et al., Humangenetik, Vol. 28, pg. 273 (1975) B157 SMITH et al., Nucleic Acids Research, Vol. 13, pgs. 2399-2412 (1985) Somatic Cell Molec. Genet., Vol. 11, pg. 571 (1985)						
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B153 13, pg. 1905 (1985) SHTAIRID et al., Analysis of Breakpoints Within the bcr Gene and Their Correlation with the Clinical Course of Philadelphia-Positive Chronic Myelogenous Leukemia, Blood, Vol. 72, No. 2, pgs. 485-490 (Aug 1988), Grune & Stratton, Washington, DC, USA SHTIVELMAN et al., Alternative Splicing of RNAs Transcribed from the Human abl Gene and from the bcr-abl Fused Gene, Cell, Vol. 47, pgs. 277-284, (Oct. 1986), Cell Press, Cambridge, MA, USA SHTIVELMAN et al., bcr-abl RNA in Patients With Chronic Myelogenous Leukemia, Vol. 69, No. 3, pgs. 971-973, (March 1987) SIEBERS et al., Humangenetik, Vol. 28, pg. 273 (1975) B157 SMITH et al., Nucleic Acids Research, Vol. 13, pgs. 2399-2412 (1985) Somatic Cell Molec. Genet., Vol. 11, pg. 571 (1985)		B152	SEALINGHE et al, Chromosoma, Vol. 82, pgs. 205-216, (1981)), Berlin, Germany		
B154 Course of Philadelphia-Positive Chronic Myelogenous Leukemia, Blood, Vol. 72, No. 2, pgs. 485-490 (Aug 1988), Grune & Stratton, Washington, DC, USA SHTIVELMAN et al., Alternative Splicing of RNAs Transcribed from the Human abl Gene and from the bcr-abl Fused Gene, Cell, Vol. 47, pgs. 277-284, (Oct. 1986), Cell Press, Cambridge, MA, USA SHTIVELMAN et al., bcr-abl RNA in Patients With Chronic Myelogenous Leukemia, Vol. 69, No. 3, pgs. 971-973, (March 1987) SIEBERS et al., Humangenetik, Vol. 28, pg. 273 (1975) B157 SMITH et al., Nucleic Acids Research, Vol. 13, pgs. 2399-2412 (1985) Somatic Cell Molec. Genet., Vol. 11, pg. 571 (1985)		B153		on Probes", Nucleio	Acid Research, Vol.	
B155 bcr-abl Fused Gene, Cell, Vol. 47, pgs. 277-284, (Oct. 1986), Cell Press, Cambridge, MA, USA SHTIVELMAN et al., bcr-abl RNA in Patients With Chronic Myelogenous Leukemia, Vol. 69, No. 3, pgs. 971-973, (March 1987) SIEBERS et al., Humangenetik, Vol. 28, pg. 273 (1975) B157 SMITH et al., Nucleic Acids Research, Vol. 13, pgs. 2399-2412 (1985) B159 Somatic Cell Molec. Genet., Vol. 11, pg. 571 (1985)		B154	Course of Philadelphia-Positive Chronic Myelogenous Leukem	and Their Correlatio ia, Blood, Vol. 72, N	on with the Clinical No. 2, pgs. 485-490	
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				Application Number	10/608,092	
	INFORM	IATION	DISCLOSURE	Filing Date	30-Jun-2003	
				First Named Inventor	Gray, Joe W., et al.	
			APPLICANT	Art Unit	1631	
	(Use as n	nany snee	ts as necessary)	Examiner Name	Marjorie A. Moran	
Sheet	16	of	17	Attorney Docket Number	7045945002	

Examiner Cluster Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the art (book, magazine, journal, serial, symposium, catalog, etc.), date, city and/or country where published.	rticle (when appropri page(s), volume-iss	ate), title of the item ue number(s), publisher,	T²
	B160	SPARKES, Biochem. Biophys. Acta., Vol. 780, pg. 95, (1985)			
	B161	STEWART et al, Nucleic Acids Research, Vol. 13, pgs. 4125-4	132 (1985)		- "
	B162	STRAUME et al. UCRL-93837 ABSTRACT			
		TCHEN et al., 'Chemically Modified Nucleic Acids as Immunod Experiments," Proc. Natl. Acad. Sci., Vol. 81, pgs. 3466-3470 (Hybridization	
	B164	TRASK et al, UCRL-93372 ABSTRACT	· · · · · · · · · · · · · · · · · · ·		
		TRASK et al., Early hydrofolate reductase gene amplification e same chromosome arm as the original locus; Vol. 3, Received Version Accepted (September 1989)			
	B166	TRASK et al., Hum. Genet., Vol. 78, pg. 251, (1988)			
-		TRASK et al., The Proximity of DNA Sequences in Interphase Distance and Permits Ordering of Cosmids Spanning 250 Kilob GENOMICS			
	B168	TRASK, et al., in Science, Vol. 230, pp. 1401-1402 (1985)			
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Co.	mplete if Known
Application Number	10/608,092
Filing Date	30-Jun-2003
First Named Inventor	Gray, Joe W., et al.
Art Unit	1631
Examiner Name	Marjorie A. Moran
Attorney Docket Number	7045945002

Sheet 17 of 17

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	, T²
	B170	van DEKKEN et al., Chromosoma (Berl) Vol. 97, pgs. 1-5 (1988)	
	B171	van den ENGH et al., Cytometery, Vol. 5, pgs. 108-123 (1984)	
	B172	van DILLA et al., id Fuscoe, Gene, 52: 291 (1987)	
		van DILLA et al., "Human Chromosome-Specific DNA Libraries: Construction and Availability," Biotechnology, Vol. 4, pgs. 537-552 (1986)	
	B174	WALLACE et al., The Use of Synthetic Oligonucleotides as Hybridization Probes., II, Hybridization of Oligonucleotides of Mixed Sequence to Rabbit Beta-Globin DNA, Vol. 9, pgs. 879-894, (1981), Nucleic Acids Research	
	B175	WESTBROOK et al., Long-Range Mapping of the Philadelphia Chromosome by Pulsed-field Gel Electrophoresis, Blood, Vol. 71, No. 3, pgs. 697-702, (March 1988), Grune & Stratton, Washington, DC, USA	
		WILLARD et al., "Isolation and Characterization of a Major Tandem Repeat Family from the Human X Chromosome," Vol. 11, pgs. 2017-2033, (1983), Nucleic Acids Research	
	B177	YUNIS and M.E. CHANDLER Prog. in Clin. Path., Vol. 7, pg. 267 (1977)	
	B178	YUNIS, The Chromosomal Basis of Human Neoplasia, Vol. 221, pgs. 227-236, (1983), Science	
	B179	ZILLACUS et al., Scan. J. Haematol, Vol. 15, pg. 333 (1975)	

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